

# SEQUENCE LISTING

<110> MacLeod, Carol L.  
 <120> Inhibition of Cationic Amino Acid Transporter Protein  
 and Uses Thereof  
 <130> D5232CIP3  
 <141> 1999-27-01  
 <150> US 08/187,634  
 <151> 1994-26-01  
 <160> 16

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 <222> 489..515  
 <223> CAT2 sense oligonucleotide  
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tatccaagac ttctttgccg tgtgc 25

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 <222> 1406..1429  
 <223> CAT2 antisense oligonucleotide  
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gtaggctgaa accctgtcct tgc 23

<210> 3  
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 <221> primer\_bind

<222> 1453..1470  
 <223> Primer used in RT of total RNA from mouse cell  
 lines SL12.4 and J774, mouse liver and skeletal  
 muscle tissues, and from unstimulated and  
 stimulated splenocytes to detect CAT2 promoter usage.  
 <400> 3  
 cgcggaattcc gactgtcgtg tgggcag 27  
 <210> 4  
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 <222> 489..513  
 <223> Primer used to amplify Cat2 isoform  
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 tatccagact tctttgccgt gtgc 24  
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 <221> primer\_bind  
 <222> 1406..1429  
 <223> Primer used to amplify Cat2a isoform  
 <400> 5  
 gtaggctgaa accctgtcct tgc 23  
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 <222> 1071..1093  
 <223> CAT2 specific 5'-end labeled oligonucleotide probe

used to authenticate PCR product

<400> 6  
tcccaatgcc tcgtgtaatc ta 22

<210> 7  
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<212> DNA  
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<222> 1159..1181  
<223> CAT2a specific 5'-end labeled oligonucleotide probe  
used to authenticate PCR product

<400> 7  
tgcagtcatc gtggcagcaa cg 22

<210> 8  
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<221> primer\_bind  
<223> Oligonucleotide used to amplify *Cat2* transcripts  
from the liver of *Cat2*<sup>-/-</sup> mice

<400> 8  
tgtctgcgcg gatctggaaa gg 22

<210> 9  
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<212> DNA  
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<221> primer\_bind  
<223> Oligonucleotide used to amplify *Cat2* transcripts  
from the liver of *Cat2*<sup>-/-</sup> mice

<400> 9  
gccctgaatg aactgcagga cg 22

<210> 10  
 <211> 27  
 <212> DNA  
 <213> artificial sequence  
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 <221> primer\_bind  
 <223> Oligonucleotide used to amplify Cat2 transcripts  
 from the liver of Cat2<sup>-/-</sup> mice  
 <400> 10  
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<210> 11  
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 <212> DNA  
 <213> artificial sequence  
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 <221> primer\_bind  
 <223> Primer used to clone the NOS2 cDNA by RT/PCR  
 from mouse mammary tumor cDNA  
 <400> 11  
 cagtgccctg ctttgtgcga agt 23

<210> 12  
 <211> 25  
 <212> DNA  
 <213> artificial sequence  
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 <221> primer\_bind  
 <223> Primer used to clone the NOS2 cDNA by RT/PCR  
 from mouse mammary tumor cDNA  
 <400> 12  
 aacgtttctg gctcttgagc tggaa 25

<210> 13  
 <211> 67  
 <212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of truncated Cat2 cDNA from  
Cat2<sup>-/-</sup> liver

<400> 13

ggcactgccc cagtacgtcc agtgtcgcaa gagcatggag tggcaccttt gacgaacttc 60  
ttaataa 67

<210> 14

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> Predicted protein sequence coded by truncated Cat2 cDNA

<400> 14

Met Glu Trp His Leu

5

<210> 15

<211> 21

<212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of the Neomycin (Neo) cassette

<400> 15

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<210> 16

<211> 9

<212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of Exon 3 at point where Neo cassette  
is spliced

<400> 16

gtacgtcca 9